

Title (en)

NAVIGATION USING PLANNED ROBOT TRAVEL PATHS

Title (de)

NAVIGATION UNTER VERWENDUNG VON GEPLANTEN ROBTERFAHRWEGEN

Title (fr)

NAVIGATION EN UTILISANT DES TRAJETS DE DÉPLACEMENT DE ROBOT PLANIFIÉS

Publication

**EP 3436880 B1 20200304 (EN)**

Application

**EP 17722181 A 20170401**

Priority

- US 201615088474 A 20160401
- US 2017025650 W 20170401

Abstract (en)

[origin: US2017285648A1] A method for generating a navigation map of an environment in which a plurality of robots will navigate, includes obtaining an image of the environment defined by a plurality of pixels, each having a cost value. The environment includes an image of a fixed object having a set of pixels corresponding to its location and having a first defined cost value. The method includes obtaining a planned path image for the robots, which include a first set of pixels corresponding to the location of each robot in the environment and a second set of pixels adjacent to the first set of pixels and extending along a planned path of travel toward a destination. The first set of pixels of each robot having the first defined cost value and the second set of pixels having a second defined cost value. The second defined cost value is less than the first defined cost value.

IPC 8 full level

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CPC (source: EP KR US)

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